CLAIMS

1. Use of a composition comprising one or more biological amphiphilic molecules (BAM) and preferably, one or more biocidal substances in the manufacture of a medicament for disrupting and treating a biofilm-associated infection in the lungs of a subject in need.

2. The use of claim 1, wherein the one or more biocidal substances are antibiotics selected from penicillins, tetracyclines, cephalosporins, quinolones, lincomycins, macrolides, sulfonamides, glycopeptides, aminoglycosides, and carbapenems.

3. The use of claim 1, wherein the one or more biocidal substances are antibiotics selected from cephalexin, cefadroxil, clindamycin, clarithromycin, azithromycin, cefdinir, cefpodoxime, amoxicillin, ampicillin, and penicillin.

4. The use of claim 1, wherein the one or more biocidal substances are essential oils, botanicals and/or plant extracts with anti-bacterial effects.

5. The use of claim 1, wherein the medicament is to be administered to a human subject.

6. The use of claim 1, wherein the medicament is to be administered to a subject who has been diagnosed with cystic fibrosis (CF); asthma; chronic obstructive pulmonary disease (COPD); pulmonary hypertension; lung cancer; pulmonary fibrosis; bronchiectasis; acute respiratory distress syndrome; emphysema; pneumoconiosis; tuberculosis; nontuberculous mycobacterial (NTM) pulmonary infections; SARS; MERS; Covid-19; or pneumonia.

7. The use of claim 1, wherein the medicament is for disrupting and treating a biofilm associated infection in the lungs caused by an antibiotic-resistant strain of a microorganism.

8. The use of claim 7, wherein the microorganism is S. pneumoniae, P. aeruginosa or A. fumigatus.

9. A pharmaceutical composition comprising a sophorolipid (SLP), a mannosylerythritol lipid (MEL) and one or more biocidal substances.

10. The pharmaceutical composition of claim 9, wherein one or more biocidal substances are antibiotics selected from penicillins, tetracyclines, cephalosporins, quinolones, lincomycins, macrolides, sulfonamides, glycopeptides, aminoglycosides, and carbapenems.

11. The pharmaceutical composition of claim 9, wherein the one or more BAM are biosurfactants and/or saponins.